

AGRICULTURE OFFICER PAPER HELD ON 16-02-2020

Composed by

(Dr. Ahmad Nawaz, PhD Agronomy- 0302-3308688)

(Dr. Muhammad Yaseen, PhD Entomology- 0333-6256610)

AGRONOMY AND SOIL SCIENCE

- 1) 2,4-D is a -----herbicide.
a) **Selective** b) Non-selective c) Both d) None of these
- 2) Wheat seed rate for optimum sowing time is-----kg/acre.
a) 30-40 **b) 40-50** c) 50-60 d) 60-70
- 3) Family of wheat is-----.
a) Malvacea **b) Poaceae** c) Fabaceae d) None of these
- 4) Family of cotton is -----.
a) **Malvaceae** b) Poaceae c) Fabaceae d) None of these
- 5) Preferable form of nitrogen for rice under submerged soil conditions is -----.
a) **NH₄** b) NO₃ c) NO₂ d) All of these
- 6) ----- is restorative crop.
a) Sugarcane b) Wheat c) Sorghum **d) Soybean**
- 7) ----- is used to measure wind direction
a) Hydrometer b) Anemometer **c) Wind van** d) All of these
- 8) Cotton is -----crop.
a) CAM **b) C₃** c) C₄ d) None of these
- 9) ----- is kharif crop.
a) Oat b) Barely c) Wheat **d) Maize**
- 10) -----is weed of rice.
a) Wild oat b) Piazzi **c) Deela** d) All of these
- 11) Phosphorus availability is maximum at soil pH of -----.
a) 5-6 **b) 6-7.5** c) 8-9 d) All of these
- 12) -----is most common carbohydrates in seed.
a) **Starch** b) Glycogen c) Both a and b d) None of these
- 13) The most dominant saturated fatty acid in oil of oilseed crops is -----.
a) Acetic acid **b) Palmitic acid** c) Linoleic acid d) None of these
- 14) The main problem of agriculture in Pakistan is -----.
a) Small land holding b) Non-mechanization c) Water shortage **d) All of these**
- 15) Plants that demand more water are called -----.
a) **Hydrophyte** b) Halophytes c) Xerophyte d) None of these
- 16) The agents responsible for wind erosion are-----.
a) Suspension b) Abrasion c) Extrusion **d) All of these**
- 17) Soil factors are also known as ----- factors.
a) Climatic **b) Edaphic** c) Both a and b d) None of these
- 18) *Brassica Juncea* is scientific name of -----.
a) **Raya** b) Toria c) Sarsoon d) All of these
- 19) -----micronutrient is important for rice.

- a) Zn b) Cu c) Mg d) None of these
- 20) -----is secondary plant nutrient.
a) N b) P c) K **d) S**
- 21) -----particle has the highest particle size.
a) Sand b) Silt c) Clay d) All of these
- 22) Recommended row to row distance for cotton is -----cm.
a) 45 b) 60 **c) 75** d) 100
- 23) The depth of total water required from sowing to harvesting is called -----.
a) Delta of water b) Duty of water c) Indus delta d) None of these
- 24) The best sugarcane part to be used as seed is-----.
a) Top one third b) Top half c) Bottom half d) Bottom one third
- 25) -----emerge first in maize.
a) Tassel b) Silk c) Both at same time d) None of these
- 26) The plants which change from vegetative to reproductive during long days are called-----.
a) Long day plants b) Short day plants c) Day neutral plants d) All of these
- 27) Residual left in sugarcane when water and sugar has been extracted is called-----.
a) Bagasse b) Pressmud c) Filter cake d) None of these
- 28) The part of stem below cotyledon is called -----.
a) Epicotyl **b) Hypocotyl** c) Both a and b d) None of these
- 29) ----- used for soil water conservation.
a) Mulching b) Soil organic matter c) Deep tillage **d) All of these**
- 30) The initial uptake of water by seed is called -----.
a) Imbibition b) Hydrolysis c) Hydration d) None of these
- 31) Conservation Agriculture is a type of -----agriculture.
a) Sustainable b) Conventional c) Both a and b d) None of these
- 32) Saline-sodic soils can be made useful through a process known as -----.
a) Resolution **b) Reclamation** c) Regeneration d) None of these
- 33) -----is a gaseous hormone.
a) Ethylene b) Acetic acid c) Auxin d) IAA
- 34) -----is a macronutrient.
a) Zinc b) Boron **c) Potassium** d) Copper
- 35) In semi-arid regions, the annual rainfall is-----mm.
a) 0-250 **b) 500-750** c) More than 750 d) More than 1000

ENTOMOLOGY AND PLANT PATHOLOGY

- 36) -----is mostly found active ingredient in oil based insecticides.
a) Emulsifiable concentrate b) Wettable powder c) Granules d) None of these
- 37) The control of insect pests through predators is called as -----control
a) Physical b) Chemical **c) Biological** d) None of these
- 38) Gurdaspur borer is a pest of -----.
a) Wheat b) Rice c) Oat **d) Sugarcane**
- 39) The insects active during night are called -----.
a) External **b) Nocturnal** c) Both a and b d) None of these
- 40) Most of insecticide formulations are in the form of -----.

- a) **EC and WP** b) Granules c) Dust d) All of these
- 41) Gram blight is common disease in -----.
a) Dry regions b) Cooler regions c) Hot regions **d) Humid regions**
- 42) Bacterial blight is disease of -----.
a) Wheat b) Oat **c) Rice** d) None of these
- 43) Best management technique for mango anthracnose is-----.
a) Spray **b) Pruning** c) Uprooting plant d) None of these
- 44) Most commonly used media for the study of microorganism is-----.
a) Agar b) Arabic gum c) Both a and b d) None of these
- 45) Abnormal proliferation of stem due to some external stimulus is called -----.
a) Gall formation b) Malformation c) Both a and b d) None of these
- 46) The diseases caused due to Abiotic factors are called -----.
a) Infectious **b) Non-infectious** c) Both a and b d) None of these
- 47) Bacteria that get foods from dead organic matter are known as-----.
a) Herbivores b) Omnivores **c) Saprophytes** d) None of these

HORTICULTURE

- 48) The study of fruit is called-----.
a) Floriculture **b) Pomology** c) Oleiculture d) None of these
- 49) The removal of inflorescence of any plant with some terminal leaf is called -----.
a) Heading back **b) Topping** c) Suckering d) None of these
- 50) The removal of upper part of a plant is called -----.
a) Pruning **b) Heading back** c) Desukering d) None of these
- 51) Mango panicle initiation starts in -----.
a) Jan-Feb **b) March-April** c) June d) September
- 52) The evergreen cutting are planted in -----
a) Spring b) Rainy season **c) Autumn** d) None of these
- 53) The plants which have extreme water stem and leaves are called -----.
a) Vine b) Liana **c) Succulent** d) None of these

PLANT BREEDING AND GENETICS

- 54) -----is self-pollinated crop.
a) Wheat b) Sugarcane c) Sorghum d) Maize
- 55) The phenotypic superiority of crops is based on-----.
a) Mass selection b) Pure line selection c) Both a and b d) None of these

AGRO-FORESTRY

- 56) Re-establishment of forestry by natural or artificial mean is called -----.
a) Re-shaping b) Recultivation **c) Regeneration** d) None of these
- 57) The seed of Siris is eaten by -----.
a) Rabbit b) Porcupine **c) Gulheri** d) None of these

AGRICULTURAL EXTENSION

- 58) -----are the examples of mass media communication.
 a) Radio b) TV c) Newspaper **d) All of these**
- 59) A farm manager manages a farms in a fashion -----.
 a) Lead, planning, control b) Control, lead, planning **c) Planning, organization, Lead, control** d) None of these
- 60) Which of the following is low level economic activity at field level.
a) Farm management b) Economic growth c) Production economics d) None of these

AGRI-ECONOMICS

- 61) A market in which money of one nation can be used to purchase the money of other nations is called -----.
 a) Money market b) International market **c) Foreign exchange market** d) All of these
- 62) Legally established maximum price of a good or service is called -----.
 a) Retail price **b) Ceiling price** c) Floor price d) Max price
- 63) The amount by which a nation exports of goods exceeds its import of goods is called-----.
 a) Trade off **b) Trade surplus** c) Trade deficit d) None of these
- 64) An interest bearing deposit which normally can be withdrawn by a depositor at any time is called -----.
 a) Capital deposit b) Fixed deposit **c) Saving deposit** d) None of these
- 65) When supply of a commodity decreases, the price -----.
a) Increases b) Decreases c) Both a and b d) None of these

FOOD SCIENCE AND TECHNOLOGY

- 66) ----- are among the oldest food preservation techniques.
a) Drying and dehydration b) Irradiation c) Cold storage and freezing d) None of these
- 67) Deficiency of vitamin-----is associated with night blindness and skin keratinization.
a) A b) B c) C d) D
- 68) Lime, lemon juice, and pickles are -----foods.
 a) Low acid b) Medium acid **c) High acid** d) None of these
- 69) Chemically or bio-chemically, enzymes are primarily ----- in nature.
a) Protein b) Carbohydrates c) Lipids d) Vitamins
- 70) -----is commonly applied to plant material in order to destroy some enzymes prior to canning, cold storage, freezing or dehydration.
a) Blanching b) Pasteurization c) Sterilization d) Tyndallization
- 71) Soy sauce is fermented product of -----.
 a) Wheat b) Barely c) Oat **d) Soybean**
- 72) The examples of fermented dairy products are -----.
a) Cheese and Yoghurt b) Butter and cream c) Cream and ice cream d) All of these
- 73) In dairy industry, -----bacteria are most often used to convert milk sugar into lactic acid.
 a. Streptococcus b) Lactobacillus **c) Both a and b** d) Acetobacter
- 74) Citrus and tomatoes are rich in vitamin -----.
 a) A b) B **c) C** d) D

ANIMAL SCIENCES AND DVM

- 75) Swelling of udder in cow is common symptom of -----disease.
a) **Mastitis** b) Anthrax c) Both a and b d) None of these

GENERAL KNOWLEDGE

- 76) The head office of Food and Agriculture Organization is in-----.
a) **Rome** b) Colombo c) Austria d) None of these
- 77) Green revolution was responsible for improvement in production of -----.
a) Maize and Millet **b) Rice and Wheat** c) Oat and Wheat d) None of these
- 78) CIMMYT is working on -----.
a) Maize and millet **b) Maize and wheat** c) Oat and wheat d) None of these
- 79) Ozone consist of -----oxygen atoms
a) 1 b) 2 **c) 3** d) 4
- 80) Waste water and liquid from industry is known as -----.
a) Industry water b) Waste material **c) Effluent** d) None of these
- 81) The world population day is celebrated on -----.
a) 11 March b) 11 May **c) 11 July** d) 11 Sept
- 82) -----is best electrical conductor.
a) Diamond **b) Silver** c) Wood d) None of these
- 83) The most rapidly replacing cells in humans are-----.
a) Skin cell b) Gut cell c) Red blood cell **d) All of these**
- 84) CSS stands for -----.
a) Civil superior services **b) Central superior services** c) Central civil services d) None of these
- 85) Which slave of Hazrat Khadija (RA) was with the holy prophet (PBUH) during his second tour to Syria?
a) **Maisra** b) Zaid bin Sabit c) Abdul Rehman d) None of these
- 86) ----- cities are included in Hijaz.
a) Makah b) Medina c) Taef **d) All of these**
- 87) The word 'Gerund' is -----.
a) **Verbal noun** b) pronoun c) a word with many meaning d) None of these
- 88) The synonym of word 'Engross' is
a) Expanded **b) Absorbed** c) Extended d) None of these
- 89) -----sustainable goals has been set by UNO to ensure food security.
a) 10 b) 14 **c) 17** d) 19
- 90) -----can be send via email as attachment
a) Word document b) Audio c) Video **d) All of these**
- 91) -----is not a computer server protocol
a) HTTP b) DHCP c) DNS **d) None of these**
- 92) A work is completed by 10 people in 14 days. 4 perosn complete same work in ----- days.
a) 30 **b) 35** c) 40 d) 45
- 93) Yak na shud ----- shud.
a) Zero b) One **c) Two** d) None of these
- 94) The book 'zinda rudh' is written by -----.

- a) Allama Iqbal **b) Javed Iqbal** c) Waleed Iqbal d) Rafihudin Hashmi
- 95)** Eminent Philosopher and jurist of 14th century was-----.
- a) Ibn e Khuldon** b) Ibn e Batota c) Prince Akbar d) None of these
- 96)** Macho picho city of Peru was discovered in -----.
- a) 1911** b) 1921 c) 1931 d) 1941
- 97)** Razia sultana was daughter of -----.
- a) Qutb al-Din Aibak **b) Iltutmish** c) Akbar d) None of these
- 98)** Sirinagar and Muzaffharabad bus service was started in -----.
- a) 2001 **b) 2005** c) 2006 d) 2002
- 99)** The Treaty of Versaliies ended the -----.
- a) World War 1** b) World War II c) French dispute d) None of these
- 100)** -----batsman made 210 runs in one day cricket match from Pakistan side.
- a) Shoaib Mailk b) Shahid Afridi c) Imran khan **d) Fakhar Zaman**

Errors and Omissions are accepted.